

Curriculum Vitae

PART I: General Information

DATE PREPARED: June 17, 2003

Name: Joseph LoCicero, III

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Education:

BS (Mechanical Engineering)	Tulane University
MD	Tulane University

Post Doctoral Training:

Internship and Residencies:

Intern in Surgery, Charity Hospital/Tulane Surgical Service, New Orleans, LA
Resident in Surgery, Charity Hospital Tulane Surgical Service, New Orleans, LA
Resident in CT Surgery, Northwestern University, Chicago, Illinois

Clinical and Research Fellowships:

Surgical Research Fellow, Tulane University, New Orleans, LA
CT Surgery Research Fellow, Northwestern University, Chicago, IL

Licensure and Certification:

Louisiana Medical License
Illinois Medical License
Diplomate, American Board of Surgery
Re-certified
American Board of Thoracic Surgery Diplomate
Re-certified
Massachusetts Medical License Registration
Alabama Medical License Registration

Academic Appointments:

1977-1981 Adjunct Associate Professor, Department of Bioengineering, Tulane University

1984-1985 Instructor in Surgery, Northwestern University Medical School
1985-1986 Associate in Surgery, Northwestern University Medical School
1986-1989 Assistant Professor of Surgery, Northwestern University Medical School
1989-1990 Associate Professor of Surgery, Northwestern University Medical School
1990-1991 Associate Professor of Surgery (Tenured), Northwestern University Medical School
1991-2001 Associate Professor of Surgery, Harvard Medical School
2001-2002 Professor of Surgery, The Chicago Medical School
2002- Professor of Surgery, The University of South Alabama
2002- Director, Center for Clinical Oncology, The Cancer Research Institute, The University of South Alabama
2003- The Point Clear Charities Professor, The University of South Alabama

Hospital Appointments:

1975-1977 Attending Physician, Fort Stewart Hospital, Fort Stewart, Georgia
1984-1991 Attending Surgeon, Northwestern Memorial Hospital Chicago, IL
1984-1991 Attending Surgeon, VA Lakeside Medical Center, Chicago, IL
1991-1996 Active Staff, Deaconess Hospital Boston, MA
1991-2001 Attending Surgeon, Dana Farber Cancer Institute Boston, MA
1992-2001 Attending Surgeon, Cambridge Hospital, Cambridge, MA
1992-2001 Clinical Associate in Surgery, Massachusetts General Hospital, Boston, MA
1994-1996 Attending Surgeon, Beth Israel Hospital, Boston, MA
1994-2001 Consulting Surgeon, New England Baptist Hospital, Boston, MA
1994-2001 Attending Surgeon, Deaconess Glover Hospital, Needham, MA
1996-2001 Attending Surgeon, Deaconess Waltham Hospital Waltham, MA
1996-2001 Attending Surgeon, Vencor Hospital, Boston, MA
1996-2001 Attending Surgeon, Somerville Hospital, Somerville, MA
1996-2001 Active Staff, Beth Israel-Deaconess Medical Center, Boston, MA
1997-2001 Consultant, New England Sinai Rehabilitation Center, Waltham, MA
2001-2002 Attending Surgeon, Mount Sinai Hospital Medical Center, Chicago, IL
2002- Attending Surgeon, The University of South Alabama Hospitals, Mobile, AL

Other Professional Positions, Major Visiting Appointments:

1987 Visiting Professor, Vanderbilt University, Nashville, TN
1993 Visiting Professor, Baylor College of Medicine, Houston, TX
1997 Visiting Professor, University of Mississippi School of Medicine, Jackson, MS
2001 Visiting Professor, The Chicago Medical School, Mt. Sinai Hospital, Chicago, IL
2002 Visiting Professor, East Carolina Medical School, Greenville, NC

Hospital and Health Care Organization Service Responsibilities:

1975-1977 Director Base Medical Services, Hunter Army Airfield, Savannah, GA
1987-1991 Director, Cardiac Surgical Intensive Care Unit, Northwestern Memorial Hospital, Chicago, IL
1988-1991 Chief, General Thoracic Surgery, Northwestern Memorial Hospital, Chicago, IL
1988-1991 Chief, Thoracic Transplantation, Northwestern Memorial Hospital, Chicago, IL
1990-1991 Director, Cardiothoracic Surgery Research Laboratories, Northwestern Medical School, Chicago, IL
1990-1991 Chief, General Thoracic Surgery, VA Lakeside Medical Center, Chicago, IL
1991-1996 Chief, General Thoracic Surgery, Deaconess Hospital, Boston, MA
1991-1996 Associate Director, Surgical Critical Care, Deaconess Hospital, Boston, MA
1993-2001 Chief, Thoracic Surgery, The Cambridge Hospital, Cambridge, MA
1995-1999 Associate Program Director, BIDMC Cardiothoracic Surgery Residency

- 1996-2001 Chief, General Thoracic Surgery, Beth Israel Deaconess Medical Center, Boston, MA
2000-2001 Director Center for Thoracic Diseases, Beth Israel Deaconess Medical Center, Boston, MA
2001-2002 Surgeon-in-Chief, Mount Sinai Hospital Medical Center, Chicago, IL
2002- Chair of Surgery, The University of South Alabama, Mobile AL

Major Administrative Responsibilities

- 1991-1992 Consortium Chairman, Massachusetts Consortium for Lung Transplantation
1994-1996 Consortium Chairman, Massachusetts Consortium for Lung Transplantation
1991-2002 Consultant, General Thoracic Surgery, American Board of Thoracic Surgery
1993-1998 Consultant, Qualification Examination, American Board of Thoracic Surgery
1994-2002 Consultant, In-Training (ABSITE) Examination, American Board of Surgery
1996-2002 Consultant, Self Education and Assessment in Thoracic Surgery Examination, American Board of Thoracic Surgery
1996- Consultant to Coordinating Committee on Continuing Education in Thoracic Surgery, American Board of Thoracic Surgery
1997-2002 Consultant, Oral Examination, American Board of Thoracic Surgery
1997-2000 Medical Monitor & Chair, Data Safety and Monitoring Board Focal, Inc., Lexington, MA
1999-2000 Consortium Chairman, Massachusetts Consortium for Lung Transplantation
2003- Member, United States Food and Drug Administration Panel on Surgery and Plastic Surgery

Major Committee Assignments:

Medical Schools:

Northwestern University Medical School

- 1984-1989 Committee on Research (Investigational Review Board)
1985-1991 Continuing Medical Education Committee
1989-1991 Medical Biomechanics Program Steering Committee
1989-1991 Feinberg Cardiovascular Research Institute Steering Committee

Harvard Medical School

- 1995-2000 Member, Scientific Board, Center for Minimally Invasive Surgery
2001-2002 Chair, Medical Student Surgical Clerkship Committee

Finch University of Health Sciences/The Chicago Medical School

- 2001-2002 Member, Faculty Executive Committee
2001-2002 Member, Clinical Chairs Committee
2001-2002 Member, Graduate Medical Education Committee
2001-2002 Program Director, General Surgery Residency
2001-2002 Chair, Surgical Education Committee
2001-2002 Member, Medical School Self-Study Task Force

The University of South Alabama

- 2002- Committee of Clinical Chairs
2002- Committee on Graduate Medical Education
2002- Cancer Research Institute Executive Committee
2002- Chair, Center for Interventional Technologies Steering Committee

Hospitals:

Northwestern Memorial Hospital

1983-1984 Laser Planning Committee
1983-1988 Infection Control Committee
1984-1988 Committee on Patient Care
1988-1989 Chair, Laser Committee
1990-1991 Safety Task Force (VA Lakeside Medical Center)
1990-1991 Committee on Cancer

Deaconess Hospital

1992-1996 Critical Care Committee
1992-1993 Chair, Strategic Planning Committee
1993-1996 Deaconess Surgical Associates Executive Committee

BI-Deaconess Medical Center

1996-1997 Critical Care Committee
1997-2002 Cancer Committee

Deaconess Glover Hospital

1997-2002 Surgical Tissue Committee

Deaconess Waltham Hospital

1998-2002 Investigational Review Board

Mount Sinai Hospital Medical Center

2001-2002 Medical Executive Committee
2001-2002 Clinical Chairs Committee
2001-2002 Performance Improvement Committee
2001-2002 Operating Room Committee
2001-2002 Chair, Operating Room Executive Committee

The University of South Alabama Hospitals

2002- Medical Executive Committee
2002- Operating Room Executive Committee

The University of South Alabama Health Services Foundation

2002- Managing Board
2002- Business Advisory Committee

PROFESSIONAL SOCIETIES:

1970-1992 American Society of Heating, Refrigeration and Air-Conditioning Engineers, Member
1970-1993 Louisiana Engineering Society, Member
1973-1994 National Society of Professional Engineers, Member
1974-1992 American Society of Mechanical Engineers, Member
1981-1992 Southern Medical Association, Member
1981-1992 Southeastern Surgical Congress, Member
1983-1990 Alton Ochsner Surgical Society, Member
1983-1992 American Heart Association, Member
1983-1988 Association for Academic Surgery, Member
1988- Senior Member

- 1984-1994 Institute of Electrical and Electronics Engineers Member
1984- American College of Chest Physicians, Member
1985-1988 Chair, Steering Committee for Cardiothoracic Surgery
1987-1995 Regent at Large
1988-1989 Cardiovascular Forum Member, Board of Regents
1989-1992 President's Council
1990-1992 Chair, Postgraduate Education Committee
1991-1992 Member, ACCP Scientific Program Committee
1991-1992 Chair, Nominating Committee
1994-1995 Chair, Annual Scientific Assembly {Chest '95}
1995-1999 State Health Care Liaison for Massachusetts
1996-1998 Liaison to the Association for the Advancement of Medical Instrumentation
1996-1998 Member, Information Delivery Committee
1985- Sigma Xi, Member
1998-1999 Vice President, Harvard/Radcliffe Chapter
1999- President, Harvard Chapter
1985-1992 Biomedical Engineering Society, Member
1985-1994 American College of Cardiology, Member
1985- International Society of Heart Transplantation, Member
1985-1994 American Society for Laser Medicine and Surgery, Member
1992-1993 Member, Ethics and Conflict of Interest Committee
1992-1993 Member, Research and Development Committee
1985-1998 Association for the Advancement of Medical Instrumentation, Member
1987-1997 Member, Standards Board
1989-1992 Member, Board of Directors
1989-1992 Co-Chair, Education Committee
1985-1987 American Physical Society, Member
1985 Moderator, First International Laser Science Conference
1986 Section Organizer and Moderator: Lasers in Medicine for Second International Laser Science Conference
1986-1990 Laser Institute of America, Member
1986- American College of Surgeons, Fellow
1990-1991 Chicago Committee on Trauma
1993-1999 Member, Committee on Operating Room Environment
1995-1997 Vice-Chair, Committee on Operating Room Environment
1994-1999 Executive Committee on Operating Room Environment
1997-1999 Chair, Committee on Operating Room Environment
1998 Member Planning Committee, CORE/AAMI Course, "Technology Acquisition"
1999 Chair, Planning Committee, CORE Symposium XI
2002- Senior Member, Committee on Operating Room Environment
1987- General Thoracic Surgical Club, Member
1987-1990 New York Academy of Sciences, Member
1987-1992 Mathematics Association of America, Member
1987-1992 Eastern Association for the Surgery of Trauma, Member
1990-1992 Member, Issues Committee
1988-1996 Society of Critical Care Medicine, Member
1988-1998 American Association for the Advancement of Science, Member
1988- Society of Thoracic Surgeons, Member
1995-1996 Member, Committee on Lung Volume Reduction Surgery
1997-1999 Member, Information Technology Committee

- 1997- Member, Professional Affairs Committee
- 1998- Liaison to American College of Chest Physicians
- 1998- Liaison to American Thoracic Society
- 2000- Liaison to American Geriatrics Society
- 2002- Chair, Workforce on Aging
- 1989- American Thoracic Society, Member
- 1996-2000 Member, Long Range Planning Committee
- 1998-1999 Member, Nominating Committee, Clinical Problems
- 2000- Member, Clinical Practice Committee
- 2000- Member Workforce on Aging
- 2000- Chairman, Workforce on Aging
- 1989- Chicago Surgical Society, Member
- 1989- International Association for the Study of Lung Cancer, Member
- 1989-1992 American Society for Artificial Internal Organs, Member
- 1990- Chest Club of Midwest U.S.A., Member
- 1990- American Society of Transplant Surgeons, Member
- 1990- Association for Surgical Education, Member
- 1990-1992 Academy of Surgical Research, Member
- 1991-1993 Society of University Surgeons, Member
- 1993- Society of University Surgeons, Senior Member
- 1991- American Association for Thoracic Surgery, Member
- 1992-1994 Member, VATS Education Committee
- 1997- Liaison to American Thoracic Society
- 1997- Liaison to American College of Chest Physicians
- 1992- Boston Surgical Society, Member
- 1992- Central Surgical Association, Member
- 1992- U.S. Chapter, Societe Internationale de Chirurgie, Member
- 1993- Massachusetts Medical Society, Member
- 1993- General Thoracic Surgery Biology Club, Member
- 1994-1999 Thoracic Surgical Directors Association, Member
- 1995- The International Society for Diseases of the Esophagus, Member
- 1996- European Association for Cardiothoracic Surgery, Member
- 1998- American Surgical Association, Member
- 2001- Illinois Surgical Society, Member
- 2002- At Large Representative for Surgical Subspecialties, Surgery Section of the American Geriatrics Society

Community Service Related to Professional Work:

- 1998 Massachusetts Department of Public Health Campaign against Smoking
(TV & Video) Medical Consultant & Principle Actor
- 1999 Nightline (ABC) State Campaigns against Smoking
- 1999 Doctors on Call (Local TV station) Smoking Cessation Campaign

Editorial Boards:

- 1989-1999 Guest Reviewer, *Annals of Thoracic Surgery*
- 1990- Guest Reviewer, *The Journal of Thoracic and Cardiovascular Surgery*

- 1991- Member, Editorial Board, *Chest*
- 1991- Guest Reviewer, *Seminars in Surgical Oncology*
- 1992- Guest Reviewer, *Transplantation*
- 1992- Guest Reviewer, *Journal of Histochemistry and Cytochemistry*
- 1992- Guest Reviewer, *Journal of Investigative Surgery*
- 1993- Guest Reviewer, *Southern Medical Journal*
- 1993- Editor, Minimally Invasive Techniques Department, *Chest*
- 1993 Guest Editor, *Chest Surgical Clinics of North America*
- 1994- Guest Reviewer, *American Journal of Respiratory and Critical Care Medicine*
- 1994- Guest Reviewer, *The Journal of Laboratory Technology for Bio-Research: Bio-Techniques*
- 1994- Guest Reviewer, *Mayo Clinic Proceedings*
- 1995- Guest Reviewer, *The New England Journal of Medicine*
- 1995- Guest Reviewer, *The Western Journal of Medicine*
- 1996- Guest Reviewer, *Journal of Clinical Oncology*
- 1995- Guest Reviewer, *Journal of Laparoendoscopic Surgery*
- 1996- Guest Reviewer, *Journal of Surgical Research*
- 1996- Guest Reviewer, *Surgical Endoscopy*
- 1996- Guest Reviewer, *The Journal of Heart and Lung Transplantation*
- 1999 Guest Editor, *Surgical Oncology Clinics of North America*
- 1999- Member, Editorial Board, *Annals of Thoracic Surgery*

Awards and Honors:

- Distinguished Military Graduate, Tulane University
- Gold Scalpel (Top ranked Surgical Student—years 3&4)
Tulane University School of Medicine
- 1977 Army Commendation Medal, U.S. Army
- 1984 1st Place Scientific Exhibits, Southern Medical Association
- 1985 Scientific Presentation Award, Alton Ochsner Surgical Society
- 1989 DuPont Pharmaceutical Young Investigator Award, American College of Chest Physicians
- 1998 Alfred Soffer Award for Editorial Excellence, *Chest* (The Journal)

PART II: Research, Teaching and Clinical Contributions

A. Narrative Report

My clinical and research Cardiothoracic Surgical career includes many innovative, clinically applicable accomplishments. Through serendipity we (my laboratory) discovered that laser energy could seal small air leaks in the lung which led to experiments to determine early and late tissue effects of commonly used lasers. We applied this experience to patients demonstrating efficacy in preserving lung parenchyma while removing malignancies. We used photodynamic therapy (PDT) in patients with obstructing endobronchial and endoesophageal tumors in a national clinical trial demonstrating safety and efficacy, eventually winning FDA approval. We were the first to describe the relationship of the phrenic nerve to the internal thoracic artery at the thoracic inlet and the surgical anatomy of the thymus gland demonstrating its use as a buttressing pedicle for tracheal surgery.

Proprietary information has been deleted.

We partnered with a company to develop a novel non-biologic absorbable sealant, and demonstrated its ability to seal lung air leaks instantly, as well as to withstand long-term stresses. It is now for sale in Europe. I served as the medical monitor and chair of the data safety and monitoring board for the U.S. trial that was completed successfully, and approved for human use by the FDA May 12, 2000.

We studied and applied minimally invasive techniques to Cardiothoracic Surgery and now perform many operations as same day or short stay procedures. We designed and received a patent on a perorally-placed device...proprietary information has been deleted.

Proprietary information has been deleted.

From 1986-1991, I directed the Cardiothoracic Surgery laboratory activities and served as preceptor for Medical students and residents. From 1990 to 1999, I was the Associate Program Director of the Cardiothoracic Surgery Residency training program (spanning the programs at Northwestern University, New England Deaconess Hospital, and Beth Israel Deaconess Medical Center). I was responsible for the General Thoracic Surgical training of both Cardiothoracic and General Surgery residents. In 1999 I received a grant to integrate special training on geriatric issues into the Cardiothoracic training program at ---. Also, I was a faculty member in the Surgical Critical Care program that was approved in 1996.

I was appointed the director of the surgical clerkship for Harvard Medical School. This position involves coordination of all clinical rotations at the teaching hospitals for HMS and standardization of the curriculum and evaluation of student performance.

I served as co-editor of "Shields General Thoracic Surgery". The American Board of Thoracic Surgery chose this 2700 page text as the reference text for education and questions in General Thoracic Surgery. We are in the process of rewriting the text for publication in 2004. I also serve as Thoracic Consultant for the Stedman's Medical Dictionary.

I am currently Professor and Chairman of the Department of Surgery at the University of South Alabama and Program Director of the General Surgery Residency.

B. Funding Information:

1979	--, PI Abdominal Closure Utilizing Various Non-absorbable Sutures
1983	--, PI Evaluation of Cerebral Function in Animals with Cerebral Ischemia
1985	--, PI Chest evacuation systems
1985-1990	--, Co-PI Midwest Regional Spinal Cord Injury Care System
1986-1987	--, PI Photodynamic Therapy with or without XRT for Endobronchial Tumors
1986-1987	--, PI Clinical Trials Program
1987-1988	--, PI Clinical Trials Program
1988-1989	--, PI Clinical Trials Program
1988-1990	--, PI Clinical Use of Photodynamic Therapy of Obstructing Endobronchial Tumors
1989	--, PI Prolonged Ischemic Protection of the Lung
1997-1999	--, Co-PI Evaluation of a Novel Lung Sealant
1998-2000	--, PI Overholt -- Emphysema Surgery Trial per patient reimbursing
1998-2000	The Hartford Foundation, PI Geriatrics training in the surgical subspecialties outreach
2001-2002	Pulmonx, Inc., Member of Medical Board

C. Report of Current Research Activities

Proprietary information has been deleted.

D. Report of Teaching

1. Local contributions

a. Medical School

Northwestern University Medical School

1984-1991 NUMS III Junior Surgery Clerkship
Lecturer, Preceptor
100 Medical Students per year
50 hrs. preparation, 200 hrs. contact time/year

1983-1984 NUMS II Physical Diagnosis
Clinical Preceptor
24 Medical Students per year
150 hrs. preparation, 320 hrs. contact time/yr.

1985-1991 Northwestern University Continuing Education Committee
Responsibility: Committee Member
Hours per year: 100

1987-1991 NUMS IV Senior Cardiothoracic Surgery Clerkship
Director, Preceptor
20 Medical Students per year
50 hrs. preparation, 520 hrs. contact time/ year

Harvard Medical School

1995 HMS Minority Faculty Development Program
Clinical Preceptor
1 Medical Student
5 hrs. preparation, 10 hours contact/yr.

1992-1996 HMS III Cardiothoracic Surgery rotation on Surgery Clerkship (Deaconess Hospital)
--, MD Program Director
Clinical Preceptor
10 Medical Students/year
50 hrs. preparation, 200 hrs. contact/year

1992-1996 HMS IV Cardiothoracic Surgery Clerkship (Deaconess Hospital)
--, MD Program Director
Clinical Preceptor
3 Medical Students/year
10 hrs. preparation, 90 hrs. contact time/yr.

1997-1999 HMS IV Cardiothoracic Surgery Clerkship (Beth Israel Deaconess Medical Center)
--, MD Program Director

- Clinical Preceptor
3 Medical Students/year
10 hrs. preparation, 90 hrs. contact time/yr.
- 2000-2001 HMS IV Thoracic Surgery Clerkship (Beth Israel Deaconess Medical Center)
Joseph LoCicero, III, MD Program Director
Clinical Preceptor
0 Medical Students/year
10 hrs. preparation, 0 hrs. contact time/yr.
- 2000-2001 HMS IV Cardiothoracic Surgery Clerkship (Beth Israel Deaconess Medical Center)
--, MD Program Director
Clinical Preceptor
0 Medical Students/year
10 hrs. preparation, 0 hrs. contact time/yr.
- 1999 HMS III Cardiothoracic Surgery Clerkship (Beth Israel Deaconess Medical Center/
Brigham and Women's Hospital)
-- and --, MD Program Directors
Lecturer in Core Surgical Course
120 Medical Students/year
12 hrs. preparation, 6 hrs. contact/year
- Finch University of Health Sciences/The Chicago Medical School
2001-2002 CMS III Thoracic Surgery Clerkship
Joseph LoCicero, III, MD Program Director
Clinical Preceptor
200 Medical Students/year
100 hrs. preparation, 100 hrs. contact time/yr.

b. Graduate Medical Courses

- 1983-1988 Northwestern Medical School
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Clinical Preceptor, Lecturer
2 Cardiothoracic Surgery Residents/year
100 hrs. preparation, 500 hrs. contact/year
- 1983-1991 Northwestern Medical School
--, MD Program Director
Cardiothoracic Surgery Rotation in Surgery Residency Training Program
Clinical Preceptor
24 Surgery Residents/year
300 hrs. preparation, 1500 hrs. contact/year
- 1988-1991 Northwestern Medical School
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Clinical Preceptor, Lecturer

- 2 Cardiothoracic Surgery Residents/year
100 hrs. preparation, 500 hrs. contact/year
- 1991-1995 Deaconess Harvard Surgical Service
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Associate Program Director, Clinical Preceptor, Lecturer
3 Cardiothoracic Surgery Residents/year
150 hrs. preparation, 1000 hrs. contact/year
- 1995-1997 Deaconess Harvard Surgical Service/Beth Israel Deaconess Surgical Service
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Associate Program Director, Clinical Preceptor, Lecturer
3 Cardiothoracic Surgery Residents/year
150 hrs. preparation, 1000 hrs. contact/year
- 1997-1999 Beth Israel Deaconess Surgical Service
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Associate Program Director, Clinical Preceptor, Lecturer
3 Cardiothoracic Surgery Residents/year
150 hrs. preparation, 1000 hrs. contact/year
- 1999-2001 Beth Israel Deaconess Surgical Service
--, MD Program Director
CT Surgery, General Thoracic Surgery Training Program
Clinical Preceptor, Lecturer
3 Cardiothoracic Surgery Residents/year
100 hrs. preparation, 1000 hrs. contact/year
- 1993-1999 Deaconess Harvard Surgical Service/ Beth Israel Deaconess Surgical Service
--, MD, Program Director
Surgical Critical Care Training Program
Clinical Preceptor, Lecturer, Participant in Journal Club, Weekly Grand Rounds
30 Cardiothoracic Surgery Residents/year
100 hrs. preparation, 1000 hrs. contact/year
- 1999-2001 Deaconess Harvard Surgical Service/ Beth Israel Deaconess Surgical Service
--, MD, Acting Program Director
Surgical Critical Care Training Program
Clinical Preceptor, Lecturer, Participant in Journal Club, Weekly Grand Rounds
30 Cardiothoracic Surgery Residents/year
100 hrs. preparation, 1000 hrs. contact/year
- 1991-1997 Deaconess-Harvard Surgical Service, General Surgery Training Program
--, MD Program Director
Cardiothoracic Surgery Rotation
Clinical Preceptor
10 General Surgery Residents/year

50 hrs. preparation, 1000 hrs. contact/year

- 1999-2001 Beth Israel Deaconess-Harvard Surgical Service, General Surgery Training Program
--, MD Program Director
Cardiothoracic Surgery Rotation
Clinical Preceptor
10 General Surgery Residents/year
50 hrs. preparation, 1000 hrs. contact/year
- 2001-2002 Mount Sinai Hospital Medical Center-Finch University of Health Sciences/The Chicago
Medical School, General Surgery Training Program
Joseph LoCicero, III, MD Program Director
Program Director
20 General Surgery Residents/year
1500 hrs. preparation, 1000 hrs. contact/year
- 2002- The University of South Alabama
General Surgery Training Program
Joseph LoCicero, III, MD Program Director
Program Director
24 General Surgery Residents/year
1500 hrs. preparation, 1000 hrs. contact/year

c. Continuing Medical Education Courses

- 1992-1997 Program: Thoracic Oncology Program Lecture Series
(CME Category I)
Responsibility: Director, Lecturer
Participants: 15 Attending Physicians per meeting
Contact Time: 52 Hours per year
- 1993-1999 Program: Cardiothoracic Surgery Core Lectures
Responsibility: General Thoracic Surgery Lecturer
Participants: 12 attendees, Cardiothoracic and General Surgery residents, Medical
Students, Physicians Assistants and Nurses
Preparation Time: 45 Hours per year
Contact Time: 30 Hours per year

d. Supervisory Responsibilities

- 1986-1991 Cardiothoracic Surgery, Northwestern University Laboratory Director/ Preceptor
1 Resident, 1 Foreign Fellow, 3 Medical Students per year
30 hrs. preparation, 300 contact hrs./ year

e. Leadership Roles

- 1991-1999 Cardiothoracic Surgery, Deaconess Hospital, Harvard Medical School Residency
Program
Responsibility: Associate Program Director

Hours per year: 40

- 2001-2002 General Surgery, Mount Sinai Hospital Medical Center, Finch University of Health Sciences/The Chicago Medical School
Responsibility: Program Director
Hours per year: 1000
- 2002- The University of South Alabama
Responsibility: Program Director
Hours per year: 1000

2. Regional, national, international contributions

Professional leadership Roles

- 1987 American Physical Society
Section Organizer and Moderator: Lasers in Medicine for First and Second International Laser Science Conference
- 1989-1992 Association for the Advancement of Medical Instrumentation
Co-Chair, Education Committee
Organizer of Annual AAMI meeting
- 1990-1995 American College of Chest Physicians
1990-1992 Chair, Postgraduate Education Committee
1991-1992 Member, Annual Scientific Program Committee
1994-1995 Chair, Annual Scientific Assembly {Chest '95}
- 1992-1994 American Association for Thoracic Surgery
Video Assisted Thoracic Surgery (VATS) Education Committee member and faculty for VATS training courses for Thoracic Surgeons -- Design and implementation of intensive training in a new modality for an entire subspecialty. Training for 4000 surgeons in courses with didactic and hands-on experience accomplished over a two-year period (12 courses).
- 1996- Coordinating Committee on Continuing Education in Thoracic Surgery,
Consultant for Self Education and Self Assessment in Thoracic Surgery Examination; Esophageal Problems Subcommittee
- 1996-1999 American College of Surgeons Committee on the Operating Room Environment - Program Committee on Innovative Educational Programs
- 2002- Society of Thoracic Surgeons – Chair of the Workforce on Aging

C. Report of Clinical Activities

1. Clinical Contributions

- Developed and reported on parenchyma sparing lung resections utilizing the Nd:Yag laser which has the advantage of sterilizing the margin of tumor resection to limit local recurrence.
- Developed techniques of individual pulmonary vein implantation into the left atrium and the telescoping bronchial anastomosis without omental wrapping which helped to pave the way for pulmonary lobar transplantation.
- Helped pioneer (leading contributor of patients) the clinical use of photodynamic therapy for obstructing endobronchial and endoesophageal carcinoma.
- Active participant in cancer trials: Lung Cancer Study Group (1984-1989), Cancer and Acute Leukemia Group B (1991-Present) as key personnel for the minimally invasive surgery U01 NCI funded grant, and Eastern Cooperative Oncology Group (1997-Present) since Beth Israel Deaconess Medical Center joined that group. Surgical PI for Phase II study of mediastinal restaging of patients with Stage IIIa or IIIb lung cancer following induction therapy.
- Monitored national clinical trial of a novel sealant for air leaks following lung surgery (Focal Seal), which was approved for human use May 12, 2000.
- Developed and patented minimally invasive antireflux procedures for gastroesophageal reflux disease.

Articles

1. **LoCicero J**, Tajima, T, Drapanas, T. A half century of experience with penetrating wounds of the colon: Changing concepts. *J Trauma* 1975;15:575-579.
2. Drapanas T, **LoCicero J**, Dowling JB. Hemodynamics of the interposition mesocaval shunt. *Ann Surg* 1975;181:523-533.
3. **LoCicero J**, Nichols RL. Sepsis after gastroduodenal operations: Relationship to gastric acid, motility and endogenous microflora. *Sou Med J* 1980;73:878-880.
4. **LoCicero J**, Talucci RC Kerstein MD. Upper extremity vascular reconstruction; Alternative in management. *J La St Med Soc* 1981;133:92-94.
5. Martin MC, Pernoll ML, Borusak AN, Jones JW, **LoCicero J**. Cesarean section while on cardiac bypass: Report of a case. *J Obstet Gynecol* 1981;57:415-455.
6. Nichols RL, Webb WR, Jones JW, Smith JW, **LoCicero J**. Efficacy of antibiotic prophylaxis in high risk gastroduodenal operations. *Am J Surg* 1982;143:94-96.
7. **LoCicero J**, Nichols RL. Environmental health hazards in the operating room. *Bull Amer Coll Surg* 1982;67:2-5.
8. **LoCicero J**, Talucci RC Kerstein MD. Brachial artery reconstruction following traumatic disruption. *Sou Med J* 1982;75:1099-2000.
9. **LoCicero J**, Tajima T. Recurrent jejuno gastric intussusception requiring reoperation: Report of a case and world literature review. *Sou Med J* 1982;75:1288-1290.
10. Daroca PJ Jr, Pulitzer DR, **LoCicero J**. Ossifying fasciitis: A case report with electron microscopy. *Arch Pathol* 1982;106:682-685.
11. **LoCicero J**, Robbins JB Webb WR. Complications following abdominal fascial closures utilizing various

- nonabsorbable sutures: A prospective study. *Surg Gynecol Obstet* 1983;157:25-27.
12. Hartz RS, Bomaleski J, **LoCicero J**. Pleural ascites without abdominal fluid: Surgical Considerations. *J Thorac Cardiovasc Surg* 1984;87:141-143.
 13. **LoCicero J**. Tracheo-carotid artery erosion following endotracheal intubation. *J Trauma* 1984;24:907-909.
 14. Fann JJ, Loeb JM, **LoCicero J**, Frederiksen JW, Moran JM. Intraoperative Endocardial Activation Mapping and Intraoperative Endocardial Pace Mapping Using a New Balloon Electrode. *Surg Forum* 1984;35:273-275.
 15. Fann JJ, Loeb JM, **LoCicero J**, Frederiksen JW, Moran JM, Michaelis LL, Whitson CC de Tarnowsky JM. Endocardial activation mapping and endocardial pace-mapping using a balloon apparatus. *Am J Cardiol* 1985;55:1076-1083.
 16. **LoCicero J**, Vanecko RM. Clostridial myonecrosis of the chest wall complicating spontaneous rupture of the esophagus. *Ann Thorac Surg* 1985;40:396-397.
 17. **LoCicero J**, Frederiksen JW, Hartz RS, Kaufman MW, Michaelis LL. Experimental air leaks in lung sealed by low energy CO₂ laser irradiation. *Chest* 1985;87:820-822.
 18. **LoCicero J**, Hartz RS, Sanders JH, Hueter DC, McDonough TJ, Michaelis LL. Interhospital transport of patients with ongoing intra-aortic balloon pumping. *Am J Cardiol* 1985;56:59-6.
 19. **LoCicero J**, Hartz RS, Frederiksen JW, Michaelis LL. New applications of the laser in pulmonary surgery: Hemostasis and sealing of air leaks. *Ann Thorac Surg* 1985;40:546-550.
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29. Chang CK, **LoCicero J 3rd**. Aged Murine Lungs Over-express IL-1 β , NF- κ B and iNOS to Endotoxic Stress. *American Review of Respiratory and Critical Care Medicine* 167:A732, 2003

Editorials

1. **LoCicero J**. Minimally invasive thoracic surgery, video-assisted thoracic surgery and thoracoscopy. *Chest* 1991;102:330-331.

2. **LoCicero J.** Metanalysis in wound healing. *Ann Thorac Surg* 1992;53:5-6.
3. **LoCicero J.** Real vs ideal dissemination of scientific information. *Chest* 1995;107(5):1186.
4. **LoCicero J.** Video-assisted thoracoscopy's anniversary. *Chest* 1997;111(2):268-269.
5. **LoCicero J.** Our Responsibility for the Care of Elderly Cardiothoracic Surgical Patients. *Ann Thorac Surg* 2002 Feb;73(2):379-380.

Lectures

1. **LoCicero J.** Post-operative Fluid Management. Visiting Professor Vanderbilt University School of Medicine, Department of Surgery; 1987 September 8; Nashville, TN.
2. **LoCicero J.** Innovative Therapy for Lung Cancer. Sturdy Memorial Hospital; 1992 April 8; Attleboro, MA.
3. **LoCicero J.** Update on Thoracic Surgery. Deaconess Hospital; 1992 September 10; Boston, MA.
4. **LoCicero J.** Minimally Invasive Thoracic Surgery. Visiting Professor Baylor College of Medicine, Department of Surgery; 1993 March 1; Houston, TX.
5. **LoCicero J.** Photodynamic Therapy. Mass. Chapter, American Thoracic Society; 1993 September 10; Burlington, MA.
6. **LoCicero J.** Ventilator Management in Respiratory Therapy. New England Chapter, National Association of Physician Assistants; 1993 October 21; Cambridge, MA.
7. **LoCicero J.** Innovative Therapy for Lung Cancer. Keene Hospital; 1993 November 16; Keene, NH.
8. **LoCicero J.** Novel Treatment of ARDS. Deaconess Hospital; 1994 April 13; Boston, MA.
9. **LoCicero J.** Photodynamic Therapy. Sturdy Memorial Hospital; 1994 September 20; Attleboro, MA.
10. **LoCicero J.** Multimodality Therapy of Lung Cancer. Deaconess-Nashoba Hospital; 1995 Marh 14; Ayer, MA.
11. **LoCicero J.** Modern Approach to Lung Cancer. Sturdy Memorial Hospital; 1995 September 18; Attleboro, MA.
12. **LoCicero J.** Various methods of pleurodesis, indications & appropriate use. Third International Symposium of Thoracoscopy and Video-Assisted Thoracic Surgery; 1995 September 17; Luxembourg.
13. **LoCicero J.** Surgery for the Complications of Tuberculosis. Keynote Speaker, 61st Annual International Scientific Assembly of the American College of Chest Physicians; 1995 October 23; New York City, NY.
14. **LoCicero J.** Lung Volume Reduction Surgery. Mass. Respiratory Hospital; 1996 March 12; Braintree, MA.
15. **LoCicero J.** Lung Volume Reduction Surgery. Sturdy Memorial Hospital; 1996 August 16; Attleboro, MA.
16. **LoCicero J.** History of Surgery for Emphysema. 8th Cardiac and General Thoracic Surgery Update; 1996 December 6; Puerto Rico.

17. **LoCicero J.** Operating Room Efficiency. Annual Clinical Congress American College of Surgeons; 1996 October 21; Chicago, IL.
18. **LoCicero J.** Short Stay Thoracic Surgery. Deaconess-Waltham Hospital; 1997 March 20; Waltham, MA
19. **LoCicero J.** Lung Volume Reduction Surgery. Visiting Professor; University of Mississippi School of Medicine; 1997 May 15; Jackson, MS.
20. **LoCicero J.** Modern Approach to Lung Cancer. Deaconess-Glover Hospital; 1997 August 16; Needham, MA
21. **LoCicero J.** Living Related Lung Transplantation. Beth Israel Deaconess Medical Center; 1997 September 23; Boston, MA.
22. **LoCicero J.** Managing Airleaks. 63rd Annual International Scientific Assembly of the American College of Chest Physicians; 1997 October 28; New Orleans, LA.
23. **LoCicero J.** Operating Room Leadership. Annual Clinical Congress American College of Surgeons; 1997 October 13; Chicago, IL.
24. **LoCicero J.** Surgical Aspects of Pulmonary Geriatric Care. Geriatric Medicine/Pulmonary and Critical Care Retreat; Bowman Gray School of Medicine and The Hartford Foundation; 1998 April 30; St. John, VI.
25. **LoCicero J.** Thoracic Surgery. Master Clinician Session, Annual Assembly, American Thoracic Society; 1998 May 19; San Diego, CA.
26. **LoCicero J.** Preventing Disease Transmission in the Operating Room. Spring Meeting, American College of Surgeons; 1998 April 15; Baltimore, MD.
27. **LoCicero J.** Post Thoracotomy Syndrome. 64th Annual International Scientific Assembly of the American College of Chest Physicians; 1998 October 27; Toronto, ON, Canada.
28. **LoCicero J.** Technology Acquisition: Implications for Health Care Systems. Joint Meeting: American College of Surgeons and the Association for the Advancement of Medical Instrumentation; 1999 April 6; Baltimore, MD.
29. **LoCicero J.** Lung Volume Reduction Surgery. Surgical Grand Rounds, Beth Israel Deaconess Medical Center; 1999 April 14; Boston, MA.
30. **LoCicero J.** Lung Volume Reduction Surgery. Anesthesia Teaching Rounds, Beth Israel Deaconess Medical Center; 1999 April 22; Boston, MA.
31. **LoCicero J.** Clinical Problems in Thoracic Surgery. Annual International Assembly of the American Thoracic Society; 1999 May 4; San Diego, CA.
32. **LoCicero J.** Speaker Value of Thoracoscopy. Michigan Cardiothoracic Surgical Society; 1999 August 19; Traverse City, MI.
33. Dysphagia and Esophageal Cancer. Deaconess-Glover Hospital, 2000 March 14; Needham, MA.
34. **LoCicero J.** Lung Volume Reduction Surgery. Anesthesia Teaching Rounds, Beth Israel Deaconess Medical Center; 2000 April 13; Boston, MA.

35. **LoCicero J.** Year in review: Thoracic Surgery. Annual Assembly, American Thoracic Society; 2000 April 23; Toronto, ON, Canada.
36. **LoCicero J.** Preoperative Pulmonary Functions: How Low Can You Go? Annual Assembly, American Thoracic Society; 2000 April 24; Toronto, ON, Canada.
37. Surgery in Patients with Marginal Pulmonary Function. Deaconess-Nashoba Hospital; 2000 September 12; Ayer, MA.
38. **LoCicero J.** Therapeutic Problems in Pulmonary Cancer. 33rd Congress of the Chilean Society of Respiratory Diseases; 2000 November 9; Puyehue, Chile.
39. **LoCicero J.** Traditional and Innovative Therapies for Lung Cancer. 33rd Congress of the Chilean Society of Respiratory Diseases; 2000 November 10; Puyehue, Chile.
40. **LoCicero J.** New Techniques for the Diagnosis and Treatment of Large Airways Disease. 33rd Congress of the Chilean Society of Respiratory Diseases; 2000 November 10; Puyehue, Chile.
41. **LoCicero J.** Living Lung Transplantation. 33rd Congress of the Chilean Society of Respiratory Diseases; 2000 November 11; Puyehue, Chile.
42. **LoCicero J.** Innovative Therapy for Lung Cancer. Deaconess-Waltham Hospital; 2000 November 14; Waltham, MA.
43. **LoCicero J.** Innovative Diagnosis and Therapies for Lung Cancer. Charlton Hospital; 2001 March 20; Fall River, MA
44. **LoCicero J.** Traditional and Innovative Therapies for Lung Cancer. Mount Sinai Hospital Medical Center; 2001 January 18; Chicago, IL.
45. **LoCicero J.** Traditional and Innovative Therapies for Lung Cancer. Clark Hospital; 2001 April 19; Akron, OH.
46. **LoCicero, J 3rd** Etiology and Management of Gastroesophageal Reflux Disease. Mount Auburn Hospital, May 19, 2001, Cambridge, MA.
47. **LoCicero, J 3rd** Traditional and Innovative Therapies for Lung Cancer. Medical Grand Rounds, Finch University of Health Sciences/The Chicago Medical School, January 16, 2002, North Chicago, IL.
48. **LoCicero, J 3rd** Barrett's Esophagus. Medical Grand Rounds, Finch University of Health Sciences/The Chicago Medical School, July 10, 2002, North Chicago, IL.
49. **LoCicero, J 3rd** Mediastinal Staging for Lung Cancer, American College of Chest Physicians Review Course in Thoracic Surgery, December 4, 2002, Cancun, MX.
50. **LoCicero, J 3rd** Preoperative Management of Thoracotomy Patients, American College of Chest Physicians Review Course in Thoracic Surgery, December 5, 2002, Cancun, MX.
51. **LoCicero, J 3rd** Surgical Aspects of Pulmonary Disease, American Thoracic Society Tristate Meeting, January 24 & 25, 2003, Point Clear, AL
52. **LoCicero, J 3rd** Critical Analysis of Video Assisted Thoracic Surgery, the 64th Mexican Congress of

Pulmonology and Thoracic Surgery, April 24, 2003, Cancun, MX.

53. **LoCicero, J 3rd** Critical Analysis of Video Assisted Thoracic Surgery, the 64th Mexican Congress of Pulmonology and Thoracic Surgery, April 24, 2003, Puerto Vallarta, MX.
54. **LoCicero, J 3rd** Superior Sulcus Tumors, the 64th Mexican Congress of Pulmonology and Thoracic Surgery, April 25, 2003, Puerto Vallarta, MX.
55. **LoCicero, J 3rd** Critical Analysis of Video Assisted Thoracic Surgery, Medical Grand Rounds, May 15, 2003, The University of South Alabama.
56. **LoCicero, J 3rd** Traditional and Innovative Therapies for Lung Cancer, June 20, 2003 The University of South Alabama Alumni Weekend.

Non-print materials

1. Moran, J.M., Vanecko, R. and **LoCicero, J.** Esophageal Duplication Cyst [Movie]. American College of Surgeons; 1983 October 11; Atlanta, GA.
2. **LoCicero, J.** and Hartz, R.S. Experimental Applications of CO₂ Lasers in Cardiothoracic Surgery. American College of Surgeons; 1984 October 15; San Francisco, California
3. **LoCicero, J.**, Hartz, R.S., Frederiksen, J.W., Kaufman, M.W. and Michaelis, L.L. Experimental Applications of CO₂ Lasers in Cardiothoracic Surgery [Videocassette]. Southern Medical Association; 1984 November 7; New Orleans, Louisiana.
4. **LoCicero, J.** and Cua, C. Tracheal Reconstruction Following Inhalation Burn and Intubation. [Videocassette]. American College of Surgeons Clinical Congress; 1989 October 15; Atlanta, GA.